

IN THE CLAIMS:

1-13. (Canceled)

14. (New): A method for performing a secure multicast broadcast at a router, the method comprising:

 sending a received request to join a multicast broadcast at a user system to an Internet Protocol (IP) multicast address;

 determining if the multicast address of the request to join is associated with a multicast broadcast IP address;

 receiving an encrypted multicast transmission from a first computer system associated with the multicast address,

 if the request to join is associated with a multicast broadcast address, then

 removing the multicast broadcast IP address;

 decrypting the sent multicast broadcast;

 attaching one of an associated or a local IP multicast address to the decrypted multicast broadcast; and

 sending the decrypted multicast broadcast to the user system requesting to join.

15. (New): A router for sending a secure multicast broadcast, the router comprising:

 a computer device configured to:

 send a received request to join a multicast broadcast at a user system to an Internet Protocol (IP) multicast address;

 determine if the multicast address of the request to join is associated with a multicast broadcast IP address;

receive an encrypted multicast transmission from a first computer system
associated with the multicast address,
if the request to join is associated with a multicast broadcast address, then
remove the multicast broadcast IP address;
decrypt the sent multicast broadcast;
attach one of an associated or a local IP multicast address to the
decrypted multicast broadcast; and
send the decrypted multicast broadcast to the user system requesting to
join.

